# CLAIMS

We claim:

5      1.     A method for migrating a database comprising:

obtaining said database in a first format;

representing said database in an abstract format;

using said abstract format to convert said database to a second format; and

migrating said database in said second format.

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      2.     The method of claim 1 wherein said database is a production database.

      3.     The method of claim 1 wherein said database uses a data model.

15      4.     The method of claim 1 wherein said abstract format comprises of one or more views.

      5.     The method of claim 1 wherein said step of using said abstract format further comprises:

20    writing scripts.

      6.     The method of claim 5 wherein step of writing said scripts further comprises:

writing functions to correct data format conversion.

7.    The method of claim 5 wherein step of writing said scripts further comprises:

building temporary tables to map values in the first format database to values in the second

format database.


5    8.    The method of claim 5 wherein step of writing said scripts further comprises:

extracting data from database in first format into insert statements for the database in the

second format.


10    9.    The method of claim 8 wherein said step of extracting data from database in

first format into insert statements for the database in the second format further comprises:

exporting a sample database;

importing the said sample database into a test area;

running said scripts created in claim 5; and

comparing the data of the database in a first format with the data of the database in a second

15    format.


10.    The method of claim 9 wherein step of comparing said data of the database in

a first format with said data of the database in a second format further comprises:

comparing and checking the record counts;

20    comparing and checking the key and other value counts;

comparing and checking the graphical user interface (GUI); and

comparing and checking the logs.

11.    A computer program product comprising:

a computer usable medium having computer readable program code embodied therein

configured to migrate a database, said computer product comprising:

computer readable code configured to cause a computer to obtain said database in a first

5    format;

computer readable code configured to cause a computer to represent said database in an

abstract format;

computer readable code configured to cause a computer to use said abstract format to convert

database to a second format; and

10    computer readable code configured to cause a computer to migrate said database in said

second format.


12.    The computer program product of claim 11 wherein said database is a

production database.

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13.    The computer program product of claim 11 wherein said database uses a data

model.


14.    The computer program product of claim 11 wherein said abstract format

20    comprises of one or more views.


15.    The computer program product of claim 14 wherein said step to use said

abstract format further comprises:

to write scripts.

16.  The computer program product of claim 15 wherein step to write said scripts

further comprises:

5  to write functions to correct data format conversion.

17.  The computer program product of claim 15 wherein step to write said scripts

further comprises:

to build temporary tables to map values in the first format database to values in the second

10  format database.

18.  The computer program product of claim 15 wherein step to write said scripts

further comprises:

to extract data from database in first format into insert statements for the database in the

15  second format.

19.  The computer program product of claim 18 wherein step to extract data from

database in first format into insert statements for the database in the second format further

comprises:

20  to export a sample database;

to import the said sample database into a test area;

to run said scripts created in claim 15; and

to compare the data of the database in a first format with the data of the database in a second

format.

20.    The computer program product of claim 19 wherein step to compare said data

of the database in a first format with said data of the database in a second format further

comprises:

to compare and check the record counts;

to compare and check the key and other value counts;

to compare and check the GUI; and

to compare and check the logs.